Author Index

AJISAKA K. *see* MIYAMA-INABA M.

AJISAKA K. *see* OHNO T.

VAN DEN AKKER T.W., TIO-GILLEN A.P., BENNER R., ZURCHER C. & RADL J. The influence of H-2 genetic factors on the development of benign monoclonal gammopathy in ageing H-2 congenic C57BL and BALB mice, 403

ANDERSSON M. *see* HOLMDAHL R.

ANGUNAWELA I.I. The role of autoimmune phenomena in the pathogenesis of cataract, 363

ASTALDI RICOTTI G.C.B., PAZZAGLIA M., MARTELLI A.M., CERINO A., BESTAGNO M., CAPRELLI A., RIVA S., PEDRINI M.A. & FACCHINI A. Autoantibodies to purified nuclear proteins related to DNA metabolism during ageing and in SLE patients, 375

BACA M.E. *see* MOWAT A.MCI.

BAGASRA O., HOWEEDY A., DORIO R. & KAJDACSY-BALLA A. Functional analysis of T-cell subsets in chronic experimental alcoholism, 63

BALLS M. *see* RUBEN L.N.

BANGA J.P., KASP E., ELLIS B.A., BROWN E., SULEYMAN S. & DUMONDE D.C. Antigenicity and uveitogenicity of partially purified peptides of a retinal autoantigen, S-antigen, 357

BARKER S. *see* BRENNAN A.

VAN DEN BARSELAAR M.T. *see* GORTER A.

BATEMAN W.J., JENKINSON E.J. & OWEN J.J.T. T-cell immunity to murine Moloney sarcoma virus-induced tumours: L3T4$^+$ T cells are necessary for resistance to primary sarcoma growth, but Lyt-2$^+$ T cells are required for resistance to secondary tumour cell challenge, 317

BAUM L.L., JOHNSON B., BERMAN S., GRAHAM D. & MOLD C. C-reactive protein is involved in natural killer cell-mediated lysis but does not mediate effector–target cell recognition, 93

BAZIN H. *see* UHER F.

DE BEER D.P. *see* COOPER R.

BELL R.G., KORENAGA M. & WANG C.H. Characterization of a cell population in thoracic duct lymph that adoptively transfers rejection of adult *Trichinella spiralis* to normal rats, 221

BELLER D.I. *see* FRIEDMAN A.

BENNER R. *see* VAN DEN AKKER T.W.

BERMAN S. *see* BAUM L.L.

BESSLER W.G. *see* KLEINE B.

BESTAGNO M. *see* ASTALDI RICOTTI G.C.B.

BEZOS A. *see* WARREN H.S.

BITTLE J.L. *see* FRANCIS M.J.

BORREBAECK C.A.K. *see* DANIELSSON L.

BORYSIEWICZ L. *see* BOWMAN C.

BOWMAN C., GREEN C., BORYSIEWICZ L. & LOCKWOOD C.M. Circulating T-cell populations during mecuric chloride-induced nephritis in the Brown Norway rat, 515

BRENNAN A., KATZ D.R., NUNN J.D., BARKER S., HEWISON M., FRAHER L.J. & O'RIORDAN J.L.H. Dendritic cells from human tissues express receptors for the immunoregulatory vitamin D_3 metabolite, dihydroxycholecalciferol, 457

BRENNAN F.M. *see* FIELD M.

BROWN E. *see* BANGA J.P.

BROWN F. *see* FRANCIS M.J.

BROWN W.R. *see* YOSHIYAMA Y.

BROWNSTEIN D. *see* GLOVER D.M.

BULMER J.N. & EARL U. The expression of class II MHC gene products by fallopian tube epithelium in pregnancy and throughout the menstrual cycle, 207

BURCHETT S. *see* GLOVER D.M.

CALDERON R.A. & HAY R.J. Fungicidal activity of human neutrophils and monocytes on dermatophyte fungi, *Trichophyton quinckeanum* and *Trichophyton rubrum*, 289

CALDERON R.A. & SHENNAN G.I. Susceptibility of *Trichophyton quinckeanum* and *Trichiphyton rubrum* to products of oxidative metabolism, 283

CANNAT A. *see* VENDRELL J.P.

CAPRELLI A. *see* ASTALDI RICOTTI G.C.B.

CERINO A. *see* ASTALDI RICOTTI G.C.B.

CHATURVEDI U.C., NAGAR R., GULATI L. & MATHUR A. Variable effects of dengue virus-induced cytotoxic factors on different subpopulations of macrophages, 297

CHU R. *see* WATERFIELD J.D.

CLOTHIER R.H. *see* RUBEN L.N.

COCKCROFT S. *see* SAGI-EISENBERG R.

COHEN B.B., CRICHTON D.N. & STEEL C.M. A new set of monoclonal antibodies to human MHC class II α chains demonstrates that most α epitopes are inaccessible on the living cell surface, 255

COLDITZ I.G. *see* MAAS P.J.C.M.

CONLEY M.E. *see* MASCART-LEMONE F.

COOPER R., LOUW J., DANIELS J., DE BEER D.P. & NEL A.E. *C*-kinase activity in normal B cells treated with *Staphylococcus aureus*, Cowan strain I, and phorbol ester: response differences in a patient with prolymphocytic leukaemia, 497

COUDERC J., FÉVRIER M., DUQUENNE C., SOURBIER P. & LIACOPOULOS P. Xid mouse lymphocytes respond to TI-2 antigen when co-stimulated by TI-1 antigens or lymphokines, 71

COX K.O. *see* DAENKE S.

CRICHTON D.N. *see* COHEN B.B.

CROMWELL O. *see* FITZHARRIS P.

DAENKE S. & COX K.O. T cells or their products are required for the differentiation of precursor B cells into antibody-secreting cells specific for a supposed T-independent self-antigen, 137

DAHA M.R. *see* GORTER A.

VAN DAM A.P. & HACK C.E. Formation of C3–IgG complexes in serum by aggregated IgG and by non-immunoglobulin activators of complement, 105

DANIELS J. *see* COOPER R.

DANIELSSON L., MÖLLER S.A. & BORREBAECK C.A.K. Effect of cytokines on specific *in vitro* immunization of human peripheral B lymphocytes against T-cell dependent antigens, 51

DAVID J.-C. *see* RUSQUET R.

DAVIDSON S.E. *see* STARLING G.C.

DAVIES T.F. *see* MACKENZIE W.A.

DAVIS D. & GREGORIADIS G. Liposomes as adjuvants with immunopurified tetanus toxoid: influence of liposomal characteristics, 229

DELACROIX D.L. *see* MASCART-LEMONE F.

DELOBBE A. *see* VENDRELL J.P.

DHUT S. *see* WALKER L.C.

DIAMANTSTEIN T. *see* RESKE-KUNZ A.B.

DORIO R. *see* BAGASRA O.

DUCHATEAU J. *see* MASCART-LEMONE F.

DUMONDE D.C. *see* BANGA J.P.

DUNKLEY M.L. & HUSBAND A.J. Distribution and functional character-

istics of antigen-specific helper T cells arising after Peyer's patch immunization, 475
DUQUENNE C. *see* COUDERC J.
DZIARSKI R. Modulation of polyclonal activation by plasma fibronectin and fibronectin fragments, 111

EARL U. *see* BULMER J.N.
ELLIS B.A. *see* BANGA J.P.
EMOTO M. *see* KITA E.
VAN ES L.A. *see* GORTER A.
ESPEVIK T. & NISSEN-MEYER J. Tumour necrosis factor-like activity on paraformaldehyde-fixed monocyte monolayers, 443

FACCHINI A. *see* ASTALDI RICOTTI G.C.B.
FAIRHURST M. *see* WATERFIELD J.D.
FELSTEIN M.V. *see* MOWAT A.MCI.
FERGUSON A. *see* LAMONT A.G.
FÉVRIER M. *see* COUDERC J.
FIDELUS R.K. & TSAN M.-F. Glutathione and lymphocyte activation: a function of ageing and auto-immune disease, 503
FIELD M., BRENNAN F.M., MCCARTHY D., MUMFORD P. & MAINI R.N. MRL-lpr/lpr mice show an impairment of IgG aggregate removal which relates to parameters of disease activity, 463
FIGDOR C.G. *see* TE VELDE A.A.
FUJISAWA H. *see* TSURU S.
FITZHARRIS P., CROMWELL O., MOQBEL R., HARTNELL A., WALSH G.M., HARVEY C. & KAY A.B. Leukotriene B_4 generation by human neutrophils following IgG-dependent stimulation, 449
FOREMAN J.C. *see* SAGI-EISENBERG R.
FRAHER L.J. *see* BRENNAN A.
FRANCIS M.J., FRY C.M., ROWLANDS D.J., BITTLE J.L., HOUGHTEN R.A., LERNER R.A. & BROWN F. Immune response to uncoupled peptides of foot-and-mouth disease virus, 1
FRANK M.M. *see* MALBRAN A.
FRIEDMAN A. & BELLER D.I. Simultaneous expression of Ia and cytocidal activity by macrophages, and the consequences for antigen presentation, 435
FRIEDMAN A. & BELLER D.I. The effect of adherence on the *in vitro* induction of cytocidal activity by macrophages, 469
FRIES L.F. *see* MALBRAN A.
FRY C.M. *see* FRANCIS M.J.
FRYER P. *see* KNIGHT S.C.
FUKUMA K. *see* OHNO T.

GAULT E.A. *see* HALL E.P.
GERGELY J. *see* UHER F.
GLOVER D.M., BROWNSTEIN D., BURCHETT S., LARSEN A. & WILSON C.B. Expression of HLA class II antigens and secretion of interleukin-1 by monocytes and macrophages from adults and neonates, 195
GORDON M. *see* LAMONT A.G.
GORTER A., HIEMSTRA P.S., LEIJH P.C.J., VAN DER SLUYS M.E., VAN DEN BARSELAAR M.T., VAN ES L.A. & DAHA M.R. IgA- and secretory IgA-opsonized *S. aureus* induce a respiratory burst and phagocytosis by polymorphonuclear leucocytes, 303
GRAHAM D. *see* BAUM L.L.
GRAU G.E., GRETENER D. & LAMBERT P.-H. Prevention of murine cerebral malaria by low-dose cyclosporin A, 521
GREEN C. *see* BOWMAN C.
GREGORIADIS G. *see* DAVIS D.
GREGORY W.M. *see* WALKER L.C.
GRETENER D. *see* GRAU G.E.
GREWAL I.S., OLSON C.V., SCOTT S.J. & LAD P.M. Cap formation in a B-lymphocyte cell line is inhibited by pertussis toxin and phorbol ester, 131
GRIFFITHS S. *see* KNIGHT S.C.
GUIDOS C., SINHA A.A. & LEE K.-C. Functional differences and complementation between dendritic cells and macrophages in T-cell activation, 269
GULATI L. *see* CHATURVEDI U.C.
GUY K., MIDDLETON P.G. & STEEL C.M. Variant sublines of the human B-lymphoma cells Namalwa are at different stages of differentiation, 383

HABESHAW J.A. *see* WALKER L.C.
HACK C.E. *see* VAN DAM A.P.
HACK C.E. *see* NUIJENS J.H.
HALL E.P. & GAULT E.A. Regulation of rat IgE responses by immune complexes, 415
HAMILTON J.A. *see* SEWELL W.A.
HARDING B. *see* KNIGHT S.C.
HART D.N.J. *see* STARLING G.C.
HARTNELL A. *see* FITZHARRIS P.
HARVEY C. *see* FITZHARRIS P.
HAY R.J. *see* CALDERON R.A.
HEEG K. *see* KABELITZ D.
HEWISON M. *see* BRENNAN A.
HIEMSTRA P.S. *see* GORTER A.
HIGGINS A. *see* WILKINSON P.C.
HOLMDAHL R., ANDERSSON M. & TARKOWSKI A. Origin of the autoreactive anti-type II collagen response. I. Frequency of specific and multispecific B cells in primed murine lymph nodes, 369
HOSOKAWA K. *see* UEKI A.
HOUGHTEN R.A. *see* FRANCIS M.J.
HOWEEDY A. *see* BAGASRA O.
HUGUET M.F. *see* VENDRELL J.P.
HUIJBREGTS C.C.M. *see* NUIJENS J.H.
HUSBAND A.J. *see* DUNKLEY M.L.
HUSSEIN Y.M., KERR M.A. & SWANSON BECK J. The mechanism of action of the factor in leprosy serum that inhibits the growth of mitogen-stimulated normal human lymphocytes, 125
HUSSEIN Y.M. *see* KERR M.A.

INABA K. *see* MIYAMA-INABA M.
INNES E.A. *see* SPOONER R.L.
ISHIGURO K. *see* TSURUFUJI M.

JENKINSON E.J. *see* BATEMAN W.J.
JOHNSON B. *see* BAUM L.L.

KABELITZ D., ZANKER B., ZANKER C., HEEG K. & WAGNER H. Human cytotoxic T lymphocytes. II. Frequency analysis of cyclosporin A-sensitive alloreactive cytotoxic T-lymphocyte precursors, 57
KAJDACSY-BALLA A. *see* BAGASRA O.
KAMADA N. *see* TSURUFUJI M.
KANOH T. *see* OHNO T.
KASHIBA S. *see* KITA E.
KASP E. *see* BANGA J.P.
KATSUI N. *see* KITA E.
KATZ D.R. *see* BRENNAN A.
KAWAGUCHI S. Expression of two cross-reactive idiotypes on mouse antibodies against bromelain-treated mouse erythrocytes, 391
KAY A.B. *see* FITZHARRIS P.
KAYE P.M. Acquisition of cell-mediated immunity to *Leishmania*. I. Primary T-cell activation detected by IL-2 receptor expression, 345
KEIZER G.D. *see* TE VELDE A.A.
KERR M.A., HUSSEIN Y.M., POTTS R.C., SWANSON BECK J. & SHERIFF M.M. Characterization of a factor in leprosy serum that inhibits the growth of mitogen-stimulated normal human lymphocytes, 117
KERR M.A. *see* HUSSEIN Y.M.
KITA E., NISHI K., EMOTO M., KATSUI N., YASUI K., YASUI K. & KASHIBA S. Analysis of immunity to infection with *Salmonella typhimurium* in outbred mice. I. Requirement of the antibody to non-O antigen for protection in mice that are not protected by the RNA-rich vaccine, 535
KLEINE B., SPRENGER R., MARTINEZ-ALONSO C. & BESSLER W.G. Polyclonal B-cell activation by a synthetic analogue of bacterial lipoprotein is functionally different from activation by bacterial lipopolysaccharide, 29
KNIGHT S.C., FRYER P., GRIFFITHS S. & HARDING B. Class II histocompatibility antigens on human dendritic cells, 21
KORENAGA M. *see* BELL R.G.
KUMAGAI K. *see* MIYAMA-INABA M.
KUMAGAI K. *see* OHNO T.
KWONG P.C. & TEH H.-S. Characterization of a D^b-specific helper factor required for the induction of cytotoxic responses to alloantigens with the use of monoclonal antibodies specific for the helper factor or the T-cell antigen receptor, 143

KWONG P.C. & TEH H.-S. Mechanism of action of a D^b-specific helper clone and factor in cytotoxic reponses to alloantigens, 151

LACHMANN P.J. *see* VILLIERS M.-B.
LAD P.M. *see* GREWAL I.S.
LAMBERT P.-H. *see* GRAU G.E.
LAMONT A.C., GORDON M. & FERGUSON A. Oral tolerance in protein-deprived mice. I. Profound antibody tolerance but impaired DTH tolerance after antigen feeding, 333
LAMONT A.G., GORDON M. & FERGUSON A. Oral tolerance in protein-deprived mice. II. Evidence of normal 'gut processing' of ovalbumin, but suppressor cell deficiency, in deprived mice, 339
LARSEN A. *see* GLOVER D.M.
LEE K.-C. *see* GUIDOS C.
LEIJH P.C.J. *see* GORTER A.
LERNER R.A. *see* FRANCIS M.J.
LEVY J.G. *see* WATERFIELD J.D.
LIACOPOULOS P. *see* COUDERC J.
LOCKWOOD C.M. *see* BOWMAN C.
LOGEAIS Y. *see* RUSQUET R.
LOUW J. *see* COOPER R.

MAAS P.J.C.M. & COLDITZ I.G. Desensitization of the acute inflammatory response in skin and mammary gland of sheep, 215
MCCARTHY D. *see* FIELD M.
MCCLAIN B.R. & ROUX K.H. Mouse monoclonal antibody bearing a VH framework region determinant similar to a rabbit VHal allotope, 397
MACDONALD A.B. *see* STUART E.S.
MACKAY I.R. *see* SEWELL W.A.
MCKENZIE J.L. *see* STARLING G.C.
MACKENZIE W.A. & DAVIES T.F. An intrathyroidal T-cell clone specifically cytotoxic for human thyroid cells, 101
MAINI R.N. *see* FIELD M.
MALBRAN A., FRANK M.M. & FRIES L.F. Interactions of monomeric IgG bearing covalently bound C3b with polymorphonuclear leucocytes, 15
MANIEY D. *see* RUSQUET R.
MARTELLI A.M. *see* ASTALDI RICOTTI G.C.B.
MARTINEZ-ALONSO C. *see* KLEINE B.
MASCART-LEMONE F., DUCHATEAU J., CONLEY M.E. & DELACROIX D.L. A polymeric IgA response in serum can be produced by parenteral immunization, 409
MASUDA T. *see* MIYAMA-INABA M.
MASUDA T. *see* OHNO T.
MATHUR A. *see* CHATURVEDI U.C.
MAUDSLEY D.J. & MORRIS A.G. Rapid intracellular calcium changes in U937 monocyte cell line: transient increases in response to platelet-activating factor and chemotactic peptide but not interferon-γ or lipopolysaccharide, 189
MEEUSEN E. The induction of cytotoxic T-cell responses with H-2 antigens shed from viable lymphocytes, 321
MERDRIGNAC G. *see* RUSQUET R.
MIDDLETON P.G. *see* GUY K.
VAN MIERLO G.M. *see* NUIJENS J.H.
MILLAR P. *see* SPOONER R.L.
MIRCHANDANI M. *see* RUBEN L.N.
MIYAMA-INABA M., OHNO T., INABA K., AJISAKA K., SUZUKI R., KUMAGAI K. & MASUDA T. Inhibitory mechanism of the proliferative response of B lymphocytes: suppression of the proliferation induced by anti-μ antibody and BSF_1 by immune complexes, 43
MIYAMA-INABA M. *see* OHNO T.
MOCHIZUKI Y. *see* UEKI A.
DE MOERLOOSE P.A. *see* SEWELL W.A.
MOLD C. *see* BAUM L.L.
MÖLLER S.A. *see* DANIELSSON L.
MOORE K. & NESBITT A.M. Functional heterogeneity of $CD4^+$ T lymphocytes: two subpopulations with counteracting immunoregulatory functions identified with the monoclonal antibodies WR16 and WR19, 159
MOQBEL R. *see* FITZHARRIS P.
MORRIS A.G. *see* MAUDSLEY D.J.
MOWAT A.MCI. & FELSTEIN M.V. Experimental studies of immunologically mediated enteropathy. II. Role of natural killer cells in the intestinal phase of murine graft-versus-host reaction, 179
MOWAT A.MCI., FELSTEIN M.V. & BACA M.E. Experimental studies of immunologically mediated enteropathy. III. Severe and progressive enteropathy during a graft-versus-host reaction in athymic mice, 185
MUMFORD P. *see* FIELD M.

NAGAR R. *see* CHATURVEDI U.C.
NEL A.E. *see* COOPER R.
NESBITT A.M. *see* MOORE K.
NISHI K. *see* KITA E.
NISSEN-MEYER J. *see* ESPEVIK T.
NOMOTO K. *see* TSURU S.
NUIJENS J.H., HUIJBREGTS C.C.M., VAN MIERLO G.M. & HACK C.E. Inactivation of $C\bar{1}$ inhibitor by proteases: demonstration by a monoclonal antibody of a neodeterminant on inactivated, non-complexed $C\bar{1}$ inhibitor, 387
NUNN J.D. *see* BRENNAN A.

OHNO T., MIYAMA-INABA M., MASUDA T., FUKUMA K., AJISAKA K., SUZUKI R., KUMAGAI K., KANOH T. & UCHINO H. Inhibitory mechanism of the proliferative responses of resting B cells: feedback regulation by a lymphokine (suppressive B-cell factor) produced by Fc receptor-stimulated B cells, 35
OHNO T. *see* MIYAMA-INABA M.
OKA H. *see* UEKI A.
OLSON C.V. *see* GREWAL I.S.
O'RIORDAN J.L.H. *see* BRENNAN A.
OWEN J.J.T. *see* BATEMAN W.J.

PAZZAGLIA M. *see* ASTALDI RICOTTI G.C.B.
PEDRINI M.A. *see* ASTALDI RICOTTI G.C.B.
PERALDI F. *see* VENDRELL J.P.
POTTS R.C. *see* KERR M.A.
PUSKÁS É. *see* UHER F.

RADL J. *see* VAN DEN AKKER T.W.
RAVAL P.J. *see* SAGI-EISENBERG R.
RESKE-KUNZ A.B. & DIAMANTSTEIN T. Evaluation of antigen presentation by a murine Ia^+ T-cell clone, BK-BI-2.6.C6, 489
RITCHIE D.G. & ZUCKERMAN S.H. Restoration of the LPS responsive phenotype in C3H/HeJ macrophage hybrids: LPS regulation of hepatocyte-stimulating factor production, 429
RIVA S. *see* ASTALDI RICOTTI G.C.B.
ROUX K.H. *see* MCCLAIN B.R.
ROWLANDS D.J. *see* FRANCIS M.J.
RUBEN L.N., CLOTHEIR R.H., MIRCHANDANI M., WOOD P. & BALLS M. Signals provided *in vivo* by human rIL-2 and Con A can switch hapten-specific tolerance from unresponsiveness to responsiveness in the South African clawed toad, 235
RUSQUET R., MANIEY D., LOGEAIS Y., MERDRIGNAC G. & DAVID J.-C. Differentiation of thymocytes during human ontogeny: stage-specific DNA ligase in relation to terminal deoxynucleotidyl transferase, cell size and surface antigen, 509

SAGI-EISENBERG R., FOREMAN J.C., RAVAL P.J. & COCKCROFT S. Protein and diacylglycerol phosphorylation in the stimulus-secretion coupling of rat mast cells, 203
SAI T. *see* UEKI A.
SCHRADER J.W. *see* SEWELL W.A.
SCOTT S.J. *see* GREWAL I.S.
SERRE A. *see* VENDRELL J.P.
SEWELL W.A., DE MOERLOOSE P.A., HAMILTON J.A., SCHRADER J.W., MACKAY I.R. & VADAS M.A. Potentiation of delayed-type hypersensitivity by pertussigen or cyclophosphamide with release of different lymphokines, 483
SHENNAN G.I. *see* CALDERON R.A.
SHERIFF M.M. *see* KERR M.A.
SHINOMIYA N. *see* TSURU S.
SHINOMIYA T. *see* TSURUFUJI M.
SIMPSON S.P. *see* SPOONER R.L.
SINHA A.A. *see* GUIDOS C.
VAN DER SLUYS M.E. *see* GORTER A.

SOURBIER P. *see* COUDERC J.
SPOONER R.L., INNES E.A., MILLAR P., SIMPSON S.P., WEBSTER J. & TEALE A.J. Bovine alloreactive cytotoxic cells generated *in vitro* detect BoLA w6 subgroups, 85
SPRENGER R. *see* KLEINE B.
STARLING G.C., DAVIDSON S.E., MCKENZIE J.L. & HART D.N.J. Inhibition of natural killer-cell mediated cytolysis with monoclonal antibodies to restricted and non-restricted epitopes of the leucocyte common antigen, 351
STEEL C.M. *see* COHEN B.B.
STEEL C.M. *see* GUY K.
STUART E.S., TIRRELL S.M. & MACDONALD A.B. Characterization of an antigen secreted by *Chlamydia*-infected cell culture, 527
SULEYMAN S. *see* BANGA J.P.
SUZUKI R. *see* MIYAMA-INABA M.
SUZUKI R. *see* OHNO T.
SWANSON BECK J. *see* HUSSEIN Y.M.
SWANSON BECK J. *see* KERR M.A.

TABATA M. *see* UEKI A.
TANIGUCHI M. *see* TSURU S.
TARKOWSKI A. *see* HOLMDAHL R.
TEALE A.J. *see* SPOONER R.L.
TEH H.-S. *see* KWONG P.C.
TIO-GILLEN A.P. *see* VAN DEN AKKER T.W.
TIRRELL S.M. *see* STUART E.S.
TSAN M.-F. *see* FIDELUS R.K.
TSURU S., TANIGUCHI M., SHINOMIYA N., FUJISAWA H., ZINNAKA Y. & NOMOTO K. Cholera toxin-induced tolerance to allografts in mice, 77
TSURUFUJI M., ISHIGURO K., SHINOMIYA T., UCHIDA T. & KAMADA N. Immunosuppressive activity of serum from liver-grafted rats. *In vitro*: secific inhibition of mixed lymphocyte reactivity by antibodies against class II RT1 alloantigens, 421

UCHIDA T. *see* TSURUFUJI M.
UCHINO H. *see* OHNO T.
UEKI A., SAI T., OKA H., TABATA M., HOSOKAWA K. & MOCHIZUKI Y. Biosynthesis and secretion of the third component of complement by human endothelial cells *in vitro*, 11
UHER F., PUSKÁS É., GERGELY J. & BAZIN H. An IgM-producing immunocytoma induces large numbers of splenic T lymphocytes with Fcμ receptors, 327

VADAS M.A. *see* SEWELL W.A.
TE VELDE A.A., KEIZER G.D. & FIGDOR C.G. Differential function of LFA-1 family molecules (CD11 and CD18) in adhesion of human monocytes to melanoma and endothelial cells, 261
VENDRELL J.P., DELOBBE A., HUGUET M.F., PERALDI F., SERRE A. & CANNAT A. Biological properties of a panel of murine monoclonal anti-*Brucella* antibodies, 7
VILLIERS M.-B., WARD R.H.R. & LACHMANN P.J. Antibody-dependent cytotoxicity on chicken red blood cell targets mediated by the U937 cell line, 277

WAGNER H. *see* KABELITZ D.
WALKER L.C., DHUT S., GREGORY W.M. & HABESHAW J.A. Cross-reactive variable-region associated epitopes of human IgG1λ paraprotein detected by a monoclonal antibody panel, 247
WALSH G.M. *see* FITZHARRIS P.
WANG C.H. *see* BELL R.G.
WARD R.H.R. *see* VILLIERS M.-B.
WARREN H.S. & BEZOS A. Heterogeneity in the activation requirements of T cells stimulated by phytohaemagglutinin, 167
WATERFIELD J.D., FAIRHURST M., CHU R. & LEVY J.G. Antigen-specific T-cell hyporesponsiveness in MRL congenic mice can be explained by two independent cellular defects, 173
WEBSTER J. *see* SPOONER R.L.
WILKINSON P.C. & HIGGINS A. Cyclosporin A inhibits mitogen-activated but not phorbol ester-activated locomotion of human lymphocytes, 311
WILSON C.B. *see* GLOVER D.M.
WOOD P. *see* RUBEN L.N.

YASUI K. *see* KITA E.
YOSHIYAMA Y. & BROWN W.R. Specific antibodies to cholera toxin in rabbit milk are protective against *Vibrio cholerae*-induced intestinal secretion, 543

ZANKER B. *see* KABELITZ D.
ZANKER C. *see* KABELITZ D.
ZINNAKA Y. *see* TSURU S.
ZUCKERMAN S.H. *see* RITCHIE D.G.
ZURCHER C. *see* VAN DEN AKKER T.W.

Subject Index

ADCC:
  mediated by the U937 cell line, 277
Adherence:
  effect on cytocidal activity by macrophages, 469
Alcoholism:
  experimental chronic, functional analysis of T-cell subsets, 63
Antigen presentation:
  by cloned Ia^+ T cells, 489
Autoantibodies:
  to nuclear proteins, during ageing and in SLE patients, 375
Autoantibody secretion:
  T-cell mediated, 137
Autoimmune phenomena:
  role in pathogenesis of cataract, 363
Autoreactive anti-type II collagen response, 369

B-cell activation:
  by lipoprotein and lipopolysaccharide, 29
Benign monoclonal gammopathy:
  influence of H-2 factors, 403
B lymphocytes:
  suppression of proliferation induced by anti-μ antibody, BSF_1 and immune complexes, 43
B-lymphoma cells Namalwa:
  variant sublines, 383
Bovine alloreactive cytotoxic cells:
  in vitro detection of BoLA w6 subgroups, 85

$C\bar{1}$ inhibitor:
  inactivation by proteases, 387
C3:
  biosynthesis and secretion by human endothelial cells, 11
C3–IgG complexes:
  formed by cobra venom factor and aggregated IgG, 105
C3b covalently bound to monomeric IgG:
  interactions with polymorphonuclear leucocytes, 15
Cap formation:
  in a B-cell line, inhibited by pertussis toxin and phorbol ester, 131
Cataract:
  role of autoimmune phenomena in pathogenesis of, 363
$CD4^+$ T lymphocytes:
  functional heterogeneity, 159
Chlamydia-infected cell culture:
  secreted antigen, 527
Cholera toxin:
  antibodies in rabbit milk protective against *Vibrio cholerae*-induced intestinal secretion, 543
  induction of tolerance to allografts, 77
C-kinase activity:
  in B cells with *S. aureus* Cowan strain I and phorbol ester, 497
Class II MHC antigens:
  on fallopian tube epithelium, 207
  on human dendritic cells, 21
C-reactive protein:
  in the NK cell response, 93
Cross-reactive idiotypes:
  on mouse antibodies against bromelain-treated erythrocytes, 391
Cross-reactive V-region:
  associated epitopes of human IgG1λ, 247
Cyclosporin A:
  inhibition of locomotion of human lymphocytes, 311
  prevention of cerebral malaria, 521
Cytokines:
  effect on *in vitro* immunization of human B cells, 51
Cytotoxic T-cell responses:
  induced by H-2 antigens shed from lymphocytes, 321
Cytotoxic T lymphocytes:
  human, frequency analysis of cyclosporin A-sensitive precursors, 57

D^b-specific helper factor:
  and clone, mechanism of action in cytotoxic responses, 151
  characterization, 143
Delayed hypersensitivity:
  potentiation of, by pertussigen or cyclophosphamide, 483
Dendritic cells:
  expression of receptors for dihydroxycholecalciferol, 457
  human, class II MHC antigens, 21
Dendritic cells and macrophages:
  in T-cell activation, 269
Dengue virus-induced cytotoxic factors:
  effects on macrophages, 297
Desensitization:
  of acute inflammatory response, 215

Endothelial cells:
  human, biosynthesis and secretion of C3, 11
Enteropathy, immunological:
  during graft-versus-host reaction in athymic mice, 185
  role of NK cells in murine graft-versus-host reaction, 179

Fibronectin:
  modulation of polyclonal activation, 111
Foot-and-mouth disease virus:
  immune response to uncoupled peptides of, 1
Fungicidal activity of human neutrophils and monocytes, 289

Glutathione and lymphocyte activation:
  a function of ageing and auto-immune disease, 503
Glycolipid fucosylation:
  in NK-resistant K562 NK-mediated lysis, of K562, and increased fucosylation of glycolipids, 000

H-2 antigens:
  shed from viable lymphocytes, induction of cytotoxic T-cell responses, 321
H-2 genetic factors:
  influence on development of benign monoclonal gammopathy, 403
Helper factor:
  D^b-specific, characterization, 143
Helper T cells:
  in the gut, after Peyer's patch immunization, 475
HLA class II expression and IL-1 secretion by monocytes and macrophages, 195
Hyporesponsiveness:
  antigen-specific T cells, 173

Ia and cytocidal activity by macrophages:
consequences for antigen presentation, 443
IgE responses:
rat, regulated by immune complexes, 415
IgG1λ:
cross-reactive V-region associated epitopes, 247
IgG-dependent neutrophil leukotriene B_4 generation, 449
IL-1 secretion and class II HLA expression by monocytes and macrophages, 195
IL-2 and Con A;
effect on hapten-specific tolerance, 235
Immune complexes:
regulation of rat IgE responses, 415
Immunocytoma:
IgM-producing, induction of splenic T cells with Fcμ receptors, 327
Immunoglobulin A-opsonized *S. aureus*:
induction of respiratory burst and phagocytosis by PMN, 303
Inflammatory response:
acute, desensitization, 215
Intracellular calcium:
in monocyte cell line U937, 189
Intrathyroidal T-cell clone:
cytotoxic for human thyroid cells, 101
In vitro immunization:
human peripheral B cells, effect of cytokines, 51

Leishmania:
acquisition of cell-mediated immunity to, 345
primary T-cell activation detected by IL-2 receptor expression, 345
Leprosy serum, inhibitory factor:
characterization, 117
mechanism of action, 125
Leukotriene B_4 generation:
IgG-dependent, by human neutrophils, 449
LFA molecules:
function in adhesion of monocytes, 261
Liposomes as adjuvants:
influence of liposomal characteristics, 229
Locomotion of human lymphocytes:
inhibition by cyclosporin A, 311
LPS:
stimulation of C3H/HeJ hybrid macrophages, 429

Malarial, cerebral:
prevention by cyclosporin A, 521
Mast cells:
protein and diacylglycerol phosphorylation, 263
Moloney sarcoma virus-induced tumour:
T-cell immunity, 317
Monoclonal antibodies to class II MHC α chains, 255
Monoclonal anti-*Brucella* antibodies:
biological properties, 7
MRL-lpr/lpr mice:
impairment of aggregated IgG, 463

Nephritis:
mercuric chloride induced, T-cell populations, 515
NK-cell mediated cytolysis:
inhibition by monoclonal antibodies to the leucocyte common antigen, 351
NK cell response:
role of C-reactive protein, 93
NK cells:
role in intestinal phase of murine graft-versus-host reaction, 179

Oral tolerance in protein-deprived mice:
normal gut processing of antigen but suppressor cell deficiency, 333
profound antibody tolerance but impaired DTH tolerance, 339
Oxidative metabolism:
effect of products on *Trichophyton*, 283

Peptides:
of FMDV virus, immune response to, 1
PHA stimulation of T cells:
requirements, 167
Polyclonal activation:
by fibronectin and fibronectin fragments, 111
Polymeric IgA:
in serum, produced by parenteral immunization, 409
Polymorphonuclear leucocytes:
interactions with monomeric IgG bearing covalently bound C3b, 15

Retinal autoantigen, S-antigen:
antigenicity and uveitogenicity of partially purified peptides, 357

Salmonella typhimurium:
analysis of immunity to, 535
Suppression of MLR:
by serum from liver-grafted rats, 421
Suppressive B-cell factor (SBF):
inhibition of growth of resting B cells, 35

T cells:
antigen-specific hyporesponsiveness, 173
T-cell activation:
by PHA, requirements, 167
role of dendritic cells and macrophages, 269
T-cell immunity:
to Moloney sarcoma virus-induced tumours, 317
T-cell mediated autoantibody secretion, 137
T-cell populations:
during mercuric chloride induced nephritis, 515
T-cell subsets:
function in alcoholism, 63
Thymocytes:
differentiation during human ontogeny, 509
Thyrocytotoxic T-cell clone, 101
TI-2 antigens:
response of Xid mouse lymphocytes to, 71
Tolerance:
hapten-specific, effect of IL-2 and Con A, 235
to allografts, induced by cholera toxin, 77
Trichinella spiralis:
characterization of cell population adoptively transferring rejection, 221
Tumour necrosis factor-like activity:
on fixed monocyte monolayers, 443

VH framework region determinant:
mouse, similarity to a rabbit VHa1 allotype, 397

Xid mouse lymphocytes:
response to TI-2 antigens, 71